N

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS TO BE REMOVED

90 — LEFT TURN YIELD ON GREEN

91,92

93

EXISTING SIGNS TO REMAIN

13,18 — 21 ONLY

15,19

22

16,23 — DO NOT ENTER — 24 WEST MARYLAND 450

17 — ONLY

25 — ONE WAY

20

26 — EAST MARYLAND 450

PROPOSED SIGN

14 — R4-7(1) 24" x 30"

PROPOSED AUDIBLE SIGNS

27, 28, 29, 30 — R10-3(1) 9" x 15"

EXISTING SIGNALS TO BE REMOVED

PROPOSED L.E.D. SIGNALS (MODULES ONLY)

1 — 2 — 3,4,5,6,7

PROPOSED L.E.D. SIGNALS

9,10,11,12 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING EQUIPMENT TO REMAIN

a,b — PROPOSED VIDEO DETECTION

8 — OPTICOM DETECTOR EYE

NEMA PHASING

Ø1 Ø2 Ø4 Ø6

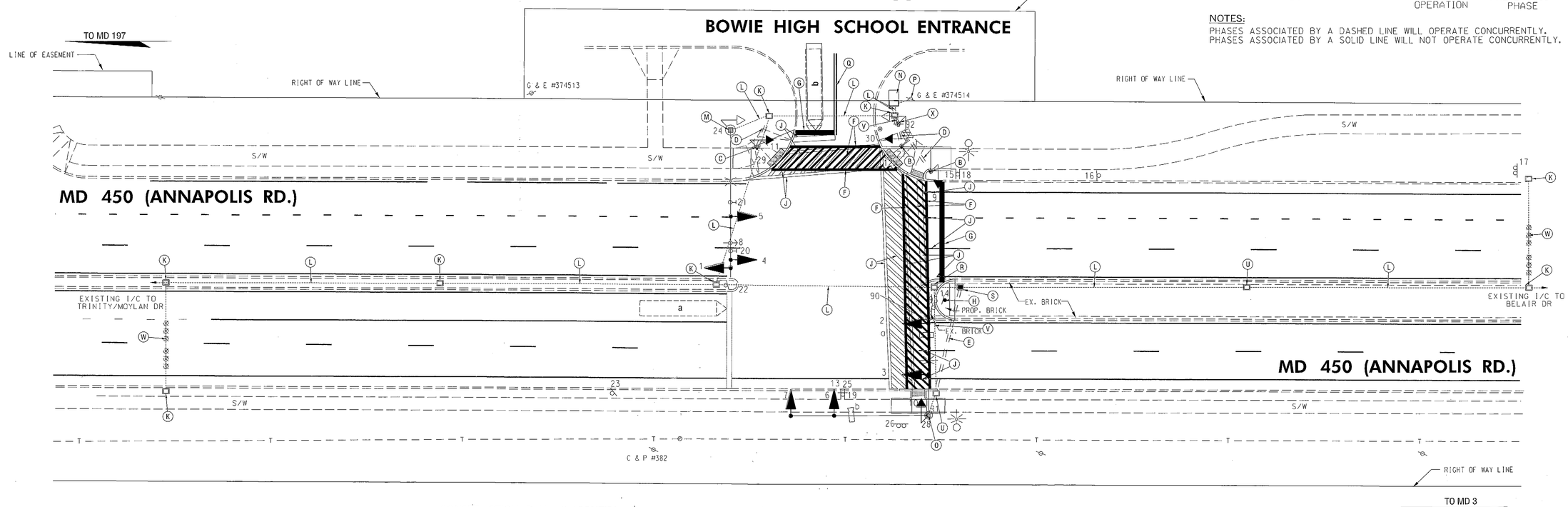
04 ALT.

FLASHING OPERATION

PRE-EMPTION PHASE

NOTES:

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR 10 FT. STEEL PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY COUPLINGS (MD STD. NO. 818.16-01), AUDIBLE TACTILE PUSH BUTTON STATION AND SIGN (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD STD. NO. 818.16-01), TWO PEDESTRIAN SIGNAL HEADS, AUDIBLE TACTILE PUSH BUTTON STATION AND SIGN (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD STD. NO. 818.16-01), ONE PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSH BUTTON STATION AND SIGN (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
F. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
G. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP BAR.

CONSTRUCTION DETAILS (CONT'D):

H. INSTALL GROUND MOUNTED SIGN.
J. REMOVE EXISTING PAVEMENT MARKINGS.
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. USE EXISTING MAST ARM POLE, INSTALL L.E.D. MODULES IN EXISTING SIGNAL HEADS, REMOVE EXISTING PEDESTRIAN SIGNAL HEAD. ALL OTHER EQUIPMENT TO REMAIN.
N. USE EXISTING CABINET AND EQUIPMENT.
O. USE EXISTING STEEL MAST ARM POLE, INSTALL L.E.D. MODULES IN EXISTING SIGNAL HEADS, REPLACE EXISTING PEDESTRIAN SIGNAL HEAD WITH L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEAD. REPLACE EXISTING PUSHBUTTON AND SIGN WITH NEW AUDIBLE TACTILE PUSHBUTTON AND SIGN. ALL OTHER EQUIPMENT TO REMAIN.
P. USE EXISTING POWER SOURCE.
Q. INSTALL 5 IN. HEAT APPLIED, DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
R. REMOVE EXISTING HANDHOLE AND SLEEVE EXISTING CONDUIT.
S. INSTALL HANDHOLE ON EXISTING CONDUIT.
T. REMOVE EXISTING HANDHOLE AND SLEEVE CONDUIT.
U. DISCONNECT AND PULL BACK EXISTING CABLE AND RE-ROUTE BACK TO CABINET.
V. CAP AND ABANDON EXISTING CONDUIT.
W. USE EXISTING NON-INVASIVE LOOPS.
X. REMOVE EXISTING PEDESTAL POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. WOOD SUPPORTS INSTALLED IN CONCRETE/BRICKS SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD-812.05-01 AND MD 812.05-02.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

BY: xiaoyu

. TOD NO:XX427-07
SHA NO:PG756A52/B52
MD 450@BOWIE H.S. ENTRANCE

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APPROVALS

TEAM LEADER — ORIGINAL ON FILE
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B 6/2009 TIMS NO. J734 SHA NO.XX4275185 UPGRADE TO APS/CPS. INSTALL LED SIGNAL HEADS DT
A 8/2001 TIMS NO. 0538 SHA NO.PG9005571 SIGNAL MODIFICATION DUE TO RECONSTRUCTION ON MD 450

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 AT ENTRANCE TO BOWIE HIGH SCHOOL
TRAFFIC SIGNAL MODIFICATION
BOWIE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 102001 CONTRACT NO. PG9005571

DESIGNED BY
DRAWN BY MB
CHECKED BY STB
F.A.P. NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16045011.29
TIMS NO. J734
TOD NO.

TS NO. 4406B | DRAWING — | OF | SHEET NO. 1 OF 3

PLOTTED: Wednesday, July 01, 2009 AT 11:40 AM
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